



Equivalent of Form PTO/SB/08A (07-09)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/518,618
§ 371 Date	December 22, 2004
First Named Inventor	Holick, Michael F.
Art Unit	1614
Examiner Name	Vickie Y. Kim
Attorney Docket Number	2317.0430001/RWE

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US1	US 4,599,418	07-08-1986	Irikura <i>et al.</i>	
	US2	US 4,774,230	09-27-1988	Tuttle <i>et al.</i>	
	US3	US 5,051,448	09-24-1991	Shashoua	
	US4	US 5,179,093	01-12-1993	Afonso <i>et al.</i>	
	US5	US 5,412,083	05-02-1995	Giese <i>et al.</i>	
	US6	US 5,436,253	07-25-1995	Rinaldi <i>et al.</i>	
	US7	US 5,436,325	07-25-1995	Johnson <i>et al.</i>	
	US8	US 5,466,681	11-14-1995	Krivan <i>et al.</i>	
	US9	US 5,508,392	04-16-1996	Holick, M.F.	
	US10	US 5,518,738	05-21-1996	Eickhoff <i>et al.</i>	
	US11	US 5,633,357	05-27-1997	Tius <i>et al.</i>	
	US12	US 5,707,605	01-13-1998	Meade <i>et al.</i>	
	US13	US 6,074,625	06-13-2000	Hawthorne <i>et al.</i>	
	US14	US 6,214,345 B1	04-10-2001	Firestone <i>et al.</i>	
	US15	US 6,277,818 B1	08-21-2001	Mazar <i>et al.</i>	
	US16	US 6,548,484 B1	04-15-2003	Christian, S.T.	
	US17	US 2001/0041676 A1	11-15-2001	Holick <i>et al.</i>	
	US18	US 2002/0002140 A1	01-03-2002	Holick <i>et al.</i>	
	US19	US 2003/0216328 A1	11-20-2003	Holick <i>et al.</i>	
	US20	US 2004/0087559 A1	05-06-2004	Schwartz <i>et al.</i>	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ³ Kind Code ³ (if known)				
	FP1	GB 1,029,222	05-11-1966	Beecham Group Limited		
	FP2	WO 92/18005 A1	10-29-1992	National Institutes of Health		
	FP3	WO 94/14411 A1	07-07-1994	Holick		
	FP4	WO 96/03995 A1	02-15-1996	Holick		

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.M.W./

Approved for use through 07/31/2006.

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

Sheet	2	of	2
-------	---	----	---

Application Number	10/518,618
§ 371 Date	December 22, 2004
First Named Inventor	Holick, Michael F.
Art Unit	1614
Examiner Name	Vickie Y. Kim
Attorney Docket Number	2317.0430001/RWF

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

486501 1.DOC

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional) * See **Kindness Codes of USPTO Patent Documents** at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language translation is attached.

This confidential information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and, if the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/518,618		
		§ 371 Date	December 22, 2004		
		First Named Inventor	Holick, Michael F.		
		Art Unit	1614		
		Examiner Name	Vickie Y. Kim		
Sheet	1	of	1	Attorney Docket Number	2317.0430001/RWE

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
	NPL1	Ali, S.A., <i>et al.</i> , "Improving the Tumor Retention of Radioiodinated Antibody: Aryl Carbohydrate Adducts," <i>Canc. Res. (Suppl.)</i> 50:783S-788S, American Association for Cancer Research (1990)	
	NPL2	Database STN Easy, Accession No. 2001:136552, Haubner <i>et al.</i> (February 2001)	
	NPL3	Murakami, K., <i>et al.</i> , "Excretion of New Quinolones and their Glucuronide Conjugates into Human Bile," <i>Drugs</i> 49 (Suppl. 2):331-332, Adis International Limited (1995)	
	NPL4	Strobel, J.L., <i>et al.</i> , ¹²⁵ I-Glycoconjugate Labels for Identifying Sites of Protein Catabolism <i>In Vivo</i> : Effect of Structure and Chemistry of Coupling to Protein on Label Entrapment in Cells after Protein Degradation," <i>Arch. Biochem. And Biophys.</i> 240:635-645, Academic Press, Inc. (1985)	

486503_1.DOC

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.M.W./



Equivalent of Form PTO/SB/08A (07-05)

Approved for use through 07/31/2006

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use only when sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/518,618
§ 371 Date	December 22, 2004
First Named Inventor	Michael F. Holick
Art Unit	1614
Examiner Name	Kim, Vickie Y.
Attorney Docket Number	2317.0430001/RWE/BSA

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If Known)			
	US25	4,292,425	09-29-1981	Buckler <i>et al.</i>	
	US26	4,261,974	04-14-1981	Buckler <i>et al.</i>	
	US27	4,595,695	06-17-1986	Ladkani <i>et al.</i>	
	US28	4,751,219	06-14-1988	Kempen, H.J.M.	
	US29	4,855,463	08-08-1989	Barua <i>et al.</i>	
	US30	4,894,476	01-16-1990	Butler <i>et al.</i>	
	US31	4,897,382	01-30-1990	della Valle <i>et al.</i>	
	US32	4,939,174	07-03-1990	Shashoua, V.E.	
	US33	5,114,976	05-19-1992	Norden, M.J.	
	US34	5,162,573	11-10-1992	Chiesi <i>et al.</i>	
	US35	5,340,803	08-23-1994	Rubin, D.	
	US36	5,440,023	08-08-1995	Cheng <i>et al.</i>	
	US37	5,506,224	04-09-1996	della Valle <i>et al.</i>	
	US38	5,559,235	08-24-1996	Luzzio <i>et al.</i>	
	US39	5,561,119	10-01-1996	Jacquesy <i>et al.</i>	
	US40	5,599,953	02-04-1997	Curley, Jr. <i>et al.</i>	
	US41	5,677,286	10-14-1997	Shull <i>et al.</i>	
	US42	5,679,667	10-21-1997	Della Valle <i>et al.</i>	
	US43	5,707,663	01-13-1998	Ayer <i>et al.</i>	
	US44	5,760,072	06-02-1998	de Bont <i>et al.</i>	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ³ Kind Code ³ (If Known)				
	FP5					
	FP6					
	FP7					
	FP8					
	FP9					
	FP10					
	FP11					
	FP12					
	FP13					

504113_1.DOC

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.M.W./



Equivalent of Form PTO/SB/08A (07/05)

Approved for use through 07/31/2006

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/518,618
§ 371 Date	December 22, 2004
First Named Inventor	Michael F. Holick
Art Unit	1614
Examiner Name	Kim, Vickie Y.
Attorney Docket Number	2317.0430001/RWE/BSA

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US45	5,808,111	09-15-1998	Curley, Jr., R.W.	
	US46	5,827,819	10-27-1998	Yatvin <i>et al.</i>	
	US47	5,977,326	11-02-1999	Scheinmann <i>et al.</i>	
	US48	5,994,392	11-30-1999	Shashoua, V.E.	
	US49	6,024,977	02-15-2000	Yatvin <i>et al.</i>	
	US50	6,043,367	03-28-2000	Roffler <i>et al.</i>	
	US51	6,107,499	08-22-2000	Shashoua, V.E.	
	US52	6,166,089	12-26-2000	Kozak, A.	
	US53	6,167,313	12-26-2000	Gray <i>et al.</i>	
	US54	6,207,700 B1	05-27-2001	Kalgutkar <i>et al.</i>	
	US55	6,218,519 B1	04-17-2001	Kenten <i>et al.</i>	
	US56	6,287,598 B1	09-11-2001	Ayer <i>et al.</i>	
	US57	6,313,106 B1	11-06-2001	Kozak, A.	
	US58	6,316,027 B1	11-13-2001	Johnson <i>et al.</i>	
	US59	6,339,060 B1	01-15-2002	Yatvin <i>et al.</i>	
	US60	7,001,888 B2	02-21-2006	Tidmarsh <i>et al.</i>	
	US61	US 2005/0130908 A1	06-16-2005	Holick <i>et al.</i>	
	US62				
	US63				
	US64				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
	FP14				
	FP15				
	FP16				
	FP17				
	FP18				
	FP19				
	FP20				
	FP21				
	FP22				

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.M.W./



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/518/618
				\$ 371 Date	December 22, 2004
				First Named Inventor	Michael F. Holick
				Art Unit	1614
				Examiner Name	Kim, Vickie Y.
Sheet	1	of	1	Attorney Docket Number	2317.0430001/RWE/BSA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
	NPL5	Fernández, C. <i>et al.</i> , "Synthesis and biological studies of glycosyl dopamine derivatives as potential antiparkinsonian agents," <i>Carbohydrate Research</i> 327:353-365, Elsevier Science Ltd. (2000)	
	NPL6	Lemberber, L., <i>et al.</i> , "Fluoxetine: Clinical Pharmacology and Physiologic Disposition," <i>J. Clin. Psychiatry</i> 46(3):14-19, Physicians Postgraduate Press (March 1985)	
	NPL7	Maryanoff, B.E. <i>et al.</i> , "Anticonvulsant O-Alkyl Sulfamates. 2,3,4,5-Bis-O-(1-methylethylidene)-β-D-fructopyranose Sulfamate and Related Compounds," <i>J. Med. Chem.</i> 30:880-887, American Chemical Society (1987)	
	NPL8	Maryanoff, B.E. <i>et al.</i> , "Structure-Activity Studies on Anticonvulsant Sugar Sulfamates Related to Topiramate. Enhanced Potency with Cyclic Sulfate Derivatives," <i>J. Med. Chem.</i> 41:1315-1343, American Chemical Society (1998)	
	NPL9	Remington's Pharmaceutical Sciences, Osol, A., <i>et al.</i> , eds., 16 th edition, Chapter 36, pp. 677-678, Philadelphia College of Pharmacy and Science (1980)	
	NPL10	Rowley, M. <i>et al.</i> , "Effect of Plasma Protein Binding on in Vivo Activity and Brain Penetration of Glycine/NMDA Receptor Antagonists," <i>J. Med. Chem.</i> 40:4053-4068, American Chemical Society (1997)	
	NPL11		
	NPL12		
	NPL13		
	NPL14		

504120_1.DOC

Examiner Signature	/Nissa Westerberg/	Date Considered	12/04/2007
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.